IN THE CLAIMS:

Please amend the claims as follows:

1-13. (Canceled)

14. (Currently Amended) In a computer system having a graphical user interface including a display and a user input device, a method for displaying statistical measures for selected parameter values produced from analysis of time-tagged data from a mail or paper processing system, the method comprising:

(a) analyzing time-tagged data associated with a plurality of machines of different types associated with a mail or paper processing system, wherein analyzing the time-tagged data comprises:

(i) reading a plurality of time-tagged data items received from the plurality of machines; and

(ii) state machine processing the time-tagged data so as to parse the time-tagged data items to identify at least one event of interest for a particular machine associated with the mail or paper processing system;

(b) displaying, on the display, a first window including parameter descriptions for mail or paper processing parameter values produced from the analysis of time-tagged data, and including status information indicating the results of comparing the parameter values to reference values;

(c) displaying, on the display, a second window including a table of statistical measures for a selected parameter description produced from the analysis of time-tagged data in the first window;

(d) displaying, on the display, a third window including a graph of measured values for the selected parameter description; and

(e) receiving input from a user for selecting the parameter description.

15. (Original) The method of claim 14, wherein the graph is a histogram of measured values for the selected parameter description.

16. (Original) The method of claim 14 wherein the graph is a histogram of measured values and references values for the selected parameter description.

17. (Original) The method of claim 14 comprising receiving input from the user for printing a report including the statistical measures for the selected parameter description.

18. (Currently Amended) In a computer system having a graphical user interface including a display and a user input device, a method for displaying statistical measures for selected parameters produced from analysis of time-tagged data from a mail or paper processing system, the method comprising:

(a) analyzing time-tagged data associated with a plurality of machines of different types associated with the mail or paper processing system, wherein analyzing the time-tagged data comprises:

(i) reading a plurality of time-tagged data items received from the plurality of machines; and

(ii) state machine processing the time-tagged data so as to parse the time-tagged data items to identify multiple, separated data items relating to an event of interest for a particular machine associated with the mail or paper processing system;

(b) displaying, on the display, a first window including parameter descriptions for mail or paper processing values produced from the analysis of time-tagged data, and including status information indicating results of comparing the parameter values to reference values;

(c) displaying, on the display, a second window including a table of statistical measures for a selected parameter description produced from the analysis of time-tagged data in the first window;

(d) displaying, on the display, a third window including a graph of measured values for the selected parameter description; and

(e) receiving input from the user for selecting the parameter description, and in response to receiving the input from the user, displaying, in the second window, a table of statistical measures for the selected parameter description and displaying, in the third window, a graph of measured values for the selected parameter description.

19. (Original) The method of claim 18 comprising simultaneously displaying, in the second window, reference statistical values for the selected parameter description and statistical measures for the selected parameter description.

20-32. (Canceled)

33. (Currently Amended) In a computer system having a graphical user interface including a display ~~and a user input device~~, a method for displaying statistical measures for selected parameter values produced from analysis of time-tagged data from a mail or paper processing system, the method comprising:

(a) analyzing time-tagged data associated with a plurality of machines of different types associated with the mail or paper processing system by state machine processing the time-tagged data so as to parse the time-tagged data items to identify at least one event of interest for a particular machine and to measure a parameter of interest associated with the mail or paper processing system;

(b) displaying[[,]] on the display~~, a first window including~~ parameter descriptions for mail or paper processing parameter values produced from the analysis of time-tagged data, and including status information

indicating results of comparing the parameter values to reference values; and

(c) displaying[[,]] on the display~~, a second window including a table of~~ statistical measures for a selected parameter description produced from the analysis of time-tagged data~~ in the first window~~.

34. (Previously Presented) The method of claim 33, comprising receiving input from a user for selecting the parameter description.

35. (Currently Amended) The method of claim 34, comprising displaying~~, on the display, a third window including~~ a graph of measured values for the selected parameter description.

36. (Currently Amended) The method of claim 34, comprising~~, in response to receiving the input from the user,~~ displaying~~, in the second window,~~ a table of statistical measures for the selected parameter description and displaying~~, in the third window,~~ a graph of measured values for the selected parameter description.

37. (New) The method of claim 33, wherein analyzing the time-tagged data comprises generating statistical measure data by computing statistical measures of the parameter measured.

38. (New) The method of claim 37, wherein analyzing the time-tagged data comprises applying limits to the statistical measures data to identify whether the machines are operating within predetermined tolerances.